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EHP Issue 2005	Lesson Title	Communication		Comprehension		Computation	Critical Thinking & Response	Experimentation		Graphing	Graph Reading	Manipulation	Observation	Reading Maps & Legends	Research	Creating	Tables & Figures	Technological Design	Unit Conversion
		Note taking	Oral	Written (Incl. Summarization)	Listening			Conduct	Data Analysis										
January	Coral Reef Web	X	X					X											
	RoboLobsters		X	X				X		X									X
	Echinacea No Cure-all for Kids								X		X							X	
February	A Table or Figure Is Worth a Thousand Words	X	X	X	X	X	X											X	
	Design and Evaluate an Underwater Logger			X		X	X												X
	Using a Spoon to Clean the Air	X	X	X	X	X	X	X	X	X	X	X	X	X			X		

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		Note Taking	Oral	Written (Incl. Summarization)	Listening	Reading	Computation	Conduct	Data Analysis	Design	Graph Reading	Manipulation	Observation	Research	Creating	Reading	
March	Mapping the Effects of War	X	X	X		X											
	Depleted Uranium and the Brain			X		X	X		X	X	X						
	Is Environmental Health a Basic Human Right?	X	X	X	X	X		X									
	Debating the Control of Scarce Resources	X	X	X	X	X		X									
	Wildlife Study Comparison		X			X				X				X	X	X	

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National Science Education Content Standards Matrix (Jan.-Mar. 2005)			Standards Addressed By All Lessons	Coral Reef Web	RoboLobsters	Echinacea No Cure-all for Kids	A Table or Figure Is Worth a Thousand Words	Design and Evaluate an Underwater Logger	Using a Spoon to Clean the Air	Debating the Control of Scarce Resources	Depleted Uranium and the Brain	Is Environmental Health a Basic Human Right?	Mapping the Effects of War	Wildlife Study Comparison
Physical Science	Structure of atoms	X							X					
	Structure and properties of matter	X							X		X			
	Chemical reactions	X												
	Motions and forces	X							X					
	Conservation of energy and increase in disorder	X												
	Interactions of energy and matter	X							X					
Science and Technology	Abilities of technological design	X	X					X	X					
	Understanding about science and technology	X	X				X	X	X					
Science in Personal and Social Perspectives	Personal and community health	X	X	X		X		X	X	X	X	X	X	X
	Population growth	X	X							X		X	X	X
	Natural resources	X	X					X	X	X		X	X	X
	Environmental quality	X	X	X			X	X	X	X	X	X	X	X
	Natural and human-induced hazards	X	X	X			X	X	X	X	X	X	X	X
	Science and technology in local, national, and global challenges	X	X	X				X	X	X	X	X	X	X
History and Nature of Science	Science as a human endeavor	X								X	X	X	X	X
	Nature of scientific knowledge	X								X	X	X	X	X
	Historical perspectives	X								X		X	X	

National Science Education Content Standards Matrix (Apr.–Jun. 2005)		Standards Addressed By All Lessons							
Science as Inquiry	Unifying Concepts and Processes	Systems, order, and organization	X	X	X	X	X		
		Evidence, models, and explanation	X		X	X	X	X	X
		Change, constancy, and measurement	X	X			X	X	X
		Evolution and equilibrium	X				X	X	X
		Form and function	X		X				X
		Abilities necessary to do scientific inquiry	X		X		X	X	
Life Science	Earth and Space Science	Understanding about scientific inquiry	X		X		X	X	
		The cell	X			X			
		Molecular basis of heredity						X	
		Biological evolution							
		Interdependence of organisms	X						X
		Matter, energy, and organization in living systems	X			X			X
Behavior of organisms	Energy in the earth system	Behavior of organisms	X			X			
		Energy in the earth system	X				X		
		Geochemical cycles							
		Origin and evolution of the earth system	X				X		X
Origin and evolution of the universe	Origin and evolution of the universe	Origin and evolution of the universe							

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			Note Taking	Oral	Written (Incl. Summarization)	Listening			Conduct	Data Analysis						Creating	Reading		
July	Mobility 2030: Can We Meet the Goals?		X		X		X	X	X	X	X	X	X	X	X	X	X		
	PAH Exposure and Community Health		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Lettuce Explore Perchlorate Exposure		X	X	X	X	X	X								X			
August	Dwelling on Solutions		X	X	X	X	X	X	X	X					X	X			
	Mapping the Air in Your School		X	X	X	X	X	X	X	X	X			X	X	X	X		
	Following the Sun to a "Greener" Building		X	X	X	X	X	X					X					X	
	Using Chemistry to Treat Lead Poisoning		X	X	X				X	X				X					

EHP Issue 2005	Lesson Title	Classification	Communication		Comprehension		Critical Thinking & Response	Experimentation			Graphing	Graph Reading	Manipulation	Observation	Reading Maps & Legends	Research	Tables & Figures		Unit Conversion	Unit Conversion
			Note Taking	Oral	Written (Incl. Summarization)	Listening	Reading	Computation	Conduct	Data Analysis							Creating	Reading		
September	Arsenic: Putting a Face to Disgrace		X	X	X	X	X	X								X				
	On Hens and Needles		X	X	X	X	X	X								X				
	Three is a Toxic Number		X	X	X	X	X	X								X		X		
October	Rescuing Water from the Roof		X	X	X	X	X	X	X	X									X	X
	Consider the Source		X	X	X	X	X	X	X	X						X	X	X		
	Protein Puzzles	X				X	X	X								X	X			
November	The Kyoto Protocol: What Should We Do?		X	X	X	X	X	X							X			X		
	Mapping Solutions for Obesity		X	X	X	X	X	X							X	X	X			X
	GM Foods: Are the Risks Real?		X	X	X	X	X	X	X	X					X	X				

National Science Education Content Standards Matrix												
		Standards Addressed By All Lessons	Mobility 2030: Can We Meet the Goals?	PAH Exposure and Community Health	Lettuce Explore Perchlorate Exposure	Dwelling on Solutions	Mapping the Air in Your School	Using Chemistry to Treat Lead Poisoning	Following the Sun to a "Greener" Building	Arsenic: Putting a Face to Disgrace	On Hens and Needles	Three is a Toxic Number
Physical Science	Structure of atoms	X					X			X		
	Structure and properties of matter	X					X			X		
	Chemical reactions	X						X				
	Motions and forces	X										
	Conservation of energy and increase in disorder	X										
	Interactions of energy and matter	X							X			
Science and Technology	Abilities of technological design	X	X						X			
	Understanding about science and technology	X	X									
Science in Personal and Social Perspectives	Personal and community health	X	X	X	X	X	X	X		X	X	X
	Population growth	X	X	X						X	X	
	Natural resources	X	X		X	X	X	X	X	X	X	
	Environmental quality	X	X	X	X	X	X	X	X	X	X	X
	Natural and human-induced hazards	X	X	X	X	X	X			X	X	X
	Science and technology in local, national, and global challenges	X	X	X	X				X	X	X	
History and Nature of Science	Science as a human endeavor	X	X	X	X	X				X		
	Nature of scientific knowledge	X		X	X	X				X		
	Historical perspectives	X			X	X				X		

National Science Education Content Standards Matrix

(Jul.–Dec. 2005)

National Science Education Content Standards Matrix (Jul.–Dec. 2005)		Standards Addressed By All Lessons	Rescuing Water from the Roof	Consider the Source	Protein Puzzles	The Kyoto Protocol: What Should We Do?	Mapping Solutions for Obesity	GM Foods: Are the Risks Real?	Small Islands—Big Problems	Population Growth. Get the Word Out.	Word Up. Empowering Your Vocabulary.	
Physical Science	Structure of atoms	X										
	Structure and properties of matter	X			X							
	Chemical reactions	X										
	Motions and forces	X										
	Conservation of energy and increase in disorder	X										
	Interactions of energy and matter	X										
Science and Technology	Abilities of technological design	X	X				X	X				
	Understanding about science and technology	X	X								X	
Science in Personal and Social Perspectives	Personal and community health	X	X	X	X	X	X	X	X	X	X	
	Population growth	X	X					X	X	X	X	
	Natural resources	X	X	X				X	X	X	X	
	Environmental quality	X	X	X	X	X		X	X	X	X	
	Natural and human-induced hazards	X	X	X	X	X		X	X	X	X	
	Science and technology in local, national, and global challenges	X	X	X				X	X	X	X	
History and Nature of Science	Science as a human endeavor	X		X					X	X		
	Nature of scientific knowledge	X		X					X	X		
	Historical perspectives	X		X						X		